

1 1. A method for processing messages in a  
2 computer system, comprising:

3 sending a message to a location designated  
4 to receive said message, said message comprising  
5 a request identifier specifying a request said  
6 message corresponds to and a sequence identifier  
7 indicating where in a processing sequence of  
8 said request said message belongs; and

9 retrieving said message from said location.

1 2. The method of claim 1, wherein said sending  
2 comprises using a send function to send said message  
3 to said location, said send function including a  
4 parameter indicating whether said request is a new  
5 request.

1 3. The method of claim 2, wherein said  
2 parameter indicates said request is a new request and  
3 said parameter further comprises a target parameter  
4 to receive results for said new request when  
5 processing for said new request is completed.

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1        4.    The method of claim 1, wherein said  
2    retrieving comprises:

3            removing said request identifier and said  
4            sequence identifier prior to retrieval of said  
5            message.

1        5.    The method of claim 1, further comprising  
2    determining completion of said processing sequence.

1        6.    The method of claim 1, wherein said  
2    retrieving comprises retrieving said message by a  
3    process and said method further comprises said  
4    process sending said message to one or more other  
5    processes dynamically determined, by said process, to  
6    receive said message.

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1 ~~2.~~ A system for processing messages in a  
2 computer system, comprising:

3 means for sending a message to a location  
4 designated to receive said message, said message  
5 comprising a request identifier specifying a  
6 request said message corresponds to and a  
7 sequence identifier indicating where in a  
8 processing sequence of said request said message  
9 belongs; and

10 means for retrieving said message from said  
11 location.

1        8.    The system of claim 7, wherein said means  
2    for sending comprises a send function to send said  
3    message to said location, said send function  
4    including a parameter indicating whether said request  
5    is a new request.

1           9. The system of claim 8, wherein said  
2 parameter indicates said request is a new request and  
3 said parameter further comprises a target parameter  
4 to receive results for said new request when  
5 processing for said new request is completed.

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1 10. The system of claim 7, wherein said means  
2 for retrieving comprises:

3 means for removing said request identifier  
4 and said sequence identifier prior to retrieval  
5 of said message.

1 11. The system of claim 7, further comprising  
2 means for determining completion of said processing  
3 sequence.

1 12. The system of claim 7, wherein said means  
2 for retrieving comprises means for retrieving said  
3 message by a process and said system further  
4 comprises said process sending said message to one or  
5 more other processes dynamically determined, by said  
6 process, to receive said message.

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